

# Currents<sup>®</sup>

**MTS**  
marine technology society  
Opportunity runs deep™

News from the Marine Technology Society

February Newsletter | Marine Technology Society



**Better Oil Spill Detection with the  
Pyxis Polarizing IR Hybrid Camera**

✓ Night Time Detection   ✓ Emulsified Oil Detection   ✓ Detection in Waves  
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## [March 3 Kick-Off for Engaging with the Blue Economy Webinar Series](#)

### Engaging with the Blue Economy

marine technology  
SOCIETY



Webinar Series

Learn more at [www.mtsociety.org/events](http://www.mtsociety.org/events)

The Ocean Exchange™ and the Marine Technology Society (MTS) have teamed up to offer a joint webinar series – Engaging with the Blue Economy. The webinar series will focus on all facets of the Blue Economy with the goal of recognizing the importance of the Ocean to our lives every day.

The webinar series kicks-off on March 3 at 11 a.m. EST with the Blue Economy in Perspective from the United States and Global Lens. Claire Jolly, OECD and Dr.

Monica Grasso, NOAA, will speak at the first event along with experts in the Blue Economy sectors, including Wind Energy, Coastal Infrastructure, Decarbonization of Ocean Transportation, Geospatial Data, and Marine Conservation.

Upcoming webinars in these series are:

**April 7** – Mobile Power Generation, Yi Chao, Seatrec; Carrie Schmaus, Water Power Technologies Office; and Robert Cavagaro, Pacific Northwestern National Lab

**May 5** – Aquaculture

**June 2** – Market Discussion

**REGISTER AND LEARN MORE ABOUT THE BLUE ECONOMY WEBINAR SERIES [HERE](#)**

## EXECUTIVE DIRECTOR COLUMN

### EXECUTIVE DIRECTOR COLUMN

By Kathleen Herndon, PhD

**Countdown to March 1!** MTS is pleased to **launch a new streamlined website and member portal** experience designed with our member's needs in-mind. The site is mobile optimized and has been designed to best serve you. **It is cleaner, sleeker, and simpler to use.**

#### **You will be able to:**

- *Update* your profile with ease.
- *Find and contact* other member sections and committees through our online forum and your personal inbox.
- *Engage with your Section or Committee* online. Upload photos. Post messages to colleagues. It is all at your fingertips.
- *Interact with other Members* online through the brand-new Circles and Community social network features.
- *Submit applications, forms, and reports* to engage more with other members and MTS.
- *Participate in NEW interactive mentoring programs* hosted online and at conferences.
- *Post Jobs* in our new FREE career center.
- *Access online resources* and Journal issues.



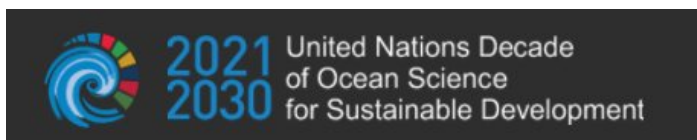
We look forward to engaging with you via our new site. And as always, you can reach us via email at [Kathleen.Herndon@mtsociety.org](mailto:Kathleen.Herndon@mtsociety.org) or [Amanda.Johnston@mtsociety.org](mailto:Amanda.Johnston@mtsociety.org) or phone (202) 717-8705.

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## NEWS & FEATURES

## United Nations Decade of Ocean Science Launches in the United States

By Donna M. Kocak and Jerry Miller



January 2021 marks the beginning of the United Nations Decade of Ocean Science for Sustainable

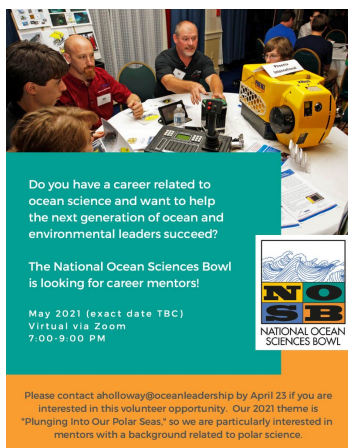
Development (2021 – 2030). The goal of the Decade is to unite ocean stakeholders worldwide behind a common framework to ensure sustainable use of ocean resources and reverse the cycle of decline in long-term ocean health. In a two-day virtual event, on February 3 and 4, the US National Committee for the Ocean Decade, chaired by MTS member Larry Mayer and vice chaired by MTS Past-President Rick Spinrad, kicked off the US activities by fostering engagement, dialog, and ideation around transformative research efforts. Over 800 individuals attended and more than eighty transformative concepts called "Ocean-Shots" were presented to address the challenges of the Decade.

A second [call for Ocean-Shots](#) is open until April 1, 2021 and a directory of those submitted prior to the February event will be made available soon. Meantime, you may view the session recordings on the [event webpage](#).

**READ [MORE](#)**

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## NATIONAL OCEANS SCIENCE BOWL SEEKS CAREER MENTORS AND VOLUNTEERS

A poster for the National Ocean Sciences Bowl. It features a photograph of students working on a project with a yellow ROV. Text on the poster includes: "Do you have a career related to ocean science and want to help the next generation of ocean and environmental leaders succeed?", "The National Ocean Sciences Bowl is looking for career mentors!", "May 2021 (exact date TBC)", "Virtual via Zoom", "7:00-9:00 PM", and a logo for the "NOSB NATIONAL OCEAN SCIENCES BOWL". At the bottom, it says: "Please contact aholloway@oceanleadership.org by April 23 if you are interested in this volunteer opportunity. Our 2021 theme is 'Plunging Into Our Polar Seas,' so we are particularly interested in mentors with a background related to polar science."

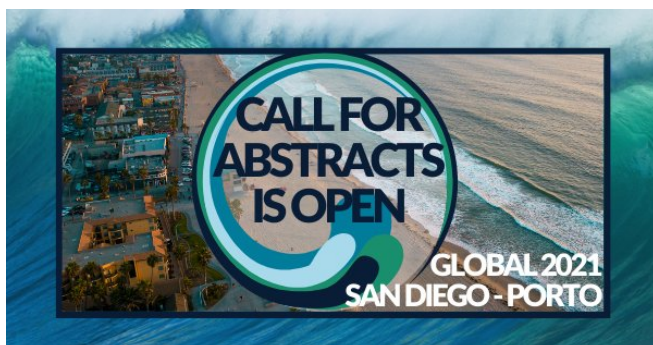
The National Ocean Sciences Bowl is seeking career mentors and volunteers for its 2021 theme "Plunging into Our Polar Seas".

Contact [aholloway@oceanleadership.org](mailto:aholloway@oceanleadership.org) by April 23 for more info. In addition, the organization is seeking volunteers for the NOSB 2021 Finals Competition May 14-16 via Zoom.

Contact [mbrodeur@oceanleadership.org](mailto:mbrodeur@oceanleadership.org) for more information on volunteering for the finals event.

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## GLOBAL OCEANS 2021: CALL FOR ABSTRACTS IS NOW OPEN



Have you conducted innovative research that you'd like presented to a broader audience?

Abstracts will be accepted for engaging and cutting-edge technical papers. Once the submission window closes, the

top abstracts will be chosen and those authors will be invited to submit a full paper. The final technical papers will be featured in OCEANS' prestigious technical program. *(For any author who has already submitted an abstract to OCEANS 2021 Porto, the abstract will automatically be transferred to Global OCEANS 2021.)*

Global OCEANS 2021 will be a hybrid conference, with both on-site and virtual components. Authors submitting abstracts to the technical program will be given the option to present either on-site in San Diego or through the conference's virtual platform.

Abstracts and full technical papers must fall under one of the **topics** for this year's event. **ABSTRACT DEADLINE IS APRIL 19.**

**LEARN MORE AND SUBMIT YOUR ABSTRACT [HERE](#)**

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## **MTS ELECTION RESULTS: VICE PRESIDENT OF EARLY CAREER OCEAN PROFESSIONALS**



Beginning March 1, 2021, the MTS Board of Directors will include a Vice President of ECOP. ECOP members are defined as “an individual who is within 10 years of their last professional degree and self-identified as an ECOP.” We would like to thank the talented candidates who ran for office.

**The MTS membership elected Jose Alfredo Giron Nava to serve as Vice President, Early Career Ocean Professionals.** His term will run from

March 1, 2021 to December 31, 2022. Mr. Giron Nava will represent the interests of Early Career Ocean Professionals within the Society, will serve on the membership advisory group and the budget and finance committee, and will serve a two-year non-renewable term.

Alfredo is an André Hoffmann Fellow at the Stanford Center for Ocean Solutions and the World Economic Forum Centre for the Fourth Industrial Revolution. His work focuses on the use of technology to support sustainable fisheries management and the reduction of Illegal, Unregulated and Unreported catch at a global scale. His previous experience includes projects for sustainable fisheries management in the U.S., Mexico, Canada, Palau, Solomon Islands, the European Union, and a series of studies at a global scale. He has more than 10 years of experience thinking of ways to better communicate science and display data in meaningful ways, such as in the platform dataMares, which he co-founded in 2014. Since May 2019, Alfredo is one of the co-founders of the Early Career Ocean Professionals (ECOP) working group for the IOC-UNESCO, which seeks to give opportunities for ECOP to engage in international ocean sustainability conversations.

Alfredo is the first recipient of the Walter Munk Scholar Award by the Marine Technology Society and the Walter Munk Foundation for the Oceans in recognition of his work on using science and technology to improve the state of the ocean. He is also an EthicalGEO Fellow by the American Geographical Society for his work on developing methods to characterize poverty in fishing



communities around the world.

**LEARN MORE & JOIN ECOP [HERE](#)**



### **EARLY CAREER OCEAN PROFESSIONAL SECTION NOW OPEN!**

MTS now offers a new Early Career Ocean Professional (ECOP) membership category. ECOP members are defined as “an individual who is within 10 years of their last professional degree and self-identified as an ECOP.” This membership (\$50) will come with all the rights and privileges of Society membership. Contact [Josh Baghdady](#) for more information on how to join or visit [www.mtsociety.org/membership](http://www.mtsociety.org/membership).

### **SEASTATE PODCAST - DONALD MASSA AND DAWN MASSA STANCAVISH DISCUSS ELECTROACOUSTICS**



In season 2, episode 2, we talk with Donald P. Massa and Dawn F. Massa Stancavish about how a family's legacy and passion continues to define the world of **electroacoustics**.

**DOWNLOAD EPISODES AND LISTEN [HERE](#)**

### **TELEDYNE PODCAST - DR. JOHN HOWE DISCUSSES AUTONOMOUS UNDERWATER VEHICLES**



Have you listened yet to the Marine Tech Talk Podcast? Check out Season 2 Episode 29: From Oban to the Arctic, the Benefits of an Autonomous Underwater Vehicle with guest Dr. John Howe, Senior Lecturer in Marine Geology, **The Scottish Association for Marine Science**. Hear about

several of his recent trips with the Gavia.

**DOWNLOAD EPISODES AND LISTEN [HERE](#)**



## SCHOLARSHIPS

### MTS NOW ACCEPTING APPLICATIONS FOR STUDENT SCHOLARSHIP PROGRAM

The Marine Technology Society is now accepting applications for scholarships to students attending full-time marine-related undergraduate and graduate programs. Applications are due April 16, 2021.

Eligibility Requirements:

- Applicant must be an MTS member ([student memberships](#) cost \$25 per year).
- Applicant must be a full-time graduate or undergraduate student currently enrolled in a marine studies program.
- Students who received a scholarship last year cannot apply for the same scholarship this year.

LEARN MORE AND APPLY [HERE](#)

## AWARDS & FELLOWS

### MTS NOW ACCEPTING NOMINATIONS



The Marine Technology Society is now accepting applications for the 2021 Awards and Honors program as well as nominations for MTS Fellow. The deadline for submissions is May 31, 2021.

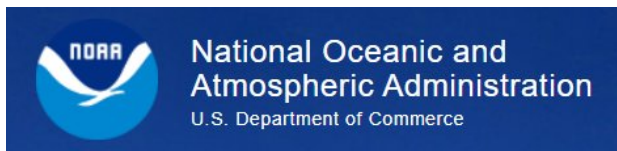
This is your opportunity to help outstanding engineers, scientists, and technologists receive recognition for their accomplishments, dedication, and contributions to the marine industries.

Nominate a deserving colleague, professional committee, regional section, or student section for an award in one of 12 categories. We are also accepting nominations for the prestigious Marine Technology Fellows.

LEARN MORE [HERE](#)

## OPPORTUNITIES

### NOAA HYDROGRAPHIC SERVICES REVIEW PANEL 2022 CALL FOR NOMINATIONS



The NOAA Hydrographic Services Review Panel (HSRP) announces the 2022 Call for Nominations.

The panel advises NOAA on operations and research issues related to navigation, hydrographic surveying, nautical charts, tides and currents, geodetic and geospatial data and measurements, Arctic priorities and coastal data and resilience. Applicants should have expertise in marine navigation, port administration, maritime shipping or other intermodal transportation industries, cartography and geographic information systems, geodesy, geospatial data, physical oceanography, coastal resource management, including coastal resilience and emergency response, or other science-related fields.

Due date and requirements: Nominations are due via email no later than April 26, 2021.

LEARN MORE [HERE](#)

## Upcoming Conferences and Events

- Mar. 3, 2021 - [Blue Economy Kick-Off](#)
- Apr. 7, 2021 - [Mobile Power Generation, session two of the Blue Economy series](#)
- July 6-8, 2021 - [Ocean Business](#)
- Aug. 16-19, 2021 - [OTC Hybrid 2021](#)
- Aug. 30-Sept. 2, 2021 - [Oceans In Action](#)
- Sept. 20-23, 2021 - [Global OCEANS 2021 San Diego - Porto](#)
- Oct. 25-27, 2021 - [Buoy Workshop](#)

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